

## INTERNATIONAL SEARCH REPORT

International Application No

EP 02/13514

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B10/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 381 341 A (AMERICAN TELEPHONE & TELEGRAPH) 8 August 1990 (1990-08-08) column 3, line 14 -column 3, line 40 column 7, line 27 -column 8, line 14 column 9, line 29 -column 9, line 33 column 9, line 47 -column 9, line 67; claims 1,10; figures 1,4 ---	1-15
Y	DE 196 28 321 C (UNIV DRESDEN TECH) 15 January 1998 (1998-01-15) page 2, line 33 -page 2, line 46; claims 1,2; figure 1 ---	1-15
A	US 5 400 165 A (KURTZKE CHRISTIAN ET AL) 21 March 1995 (1995-03-21) cited in the application abstract; claims 1,11,21,25; figure 1A ---	7 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

Date of mailing of the International search report

7 August 2003

19/08/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TAKENOUCHI H ET AL: "AN OPTICAL PHASE-SHIFT KEYING DIRECT DETECTION RECEIVER USING A HIGH-RESOLUTION ARRAYED-WAVEGUIDE GRATING" OFC/IOOC '99 OPTICAL FIBER COMMUNICATION CONFERENCE / INTERNATIONAL CONFERENCE ON INTEGRATED OPTICS AND OPTICAL FIBER COMMUNICATION. SAN DIEGO, CA, FEB. 21 - 26, 1999, OPTICAL FIBER COMMUNICATION CONFERENCE / INTERNATIONAL CONFERENCE ON INTEGRATED OP, 21 February 1999 (1999-02-21), pages 213-215, XP001153084 ISBN: 0-7803-5430-3 cited in the application the whole document -----	1-15

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

EP 02/13514

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0381341	A	08-08-1990	US CA EP JP	5027435 A 2006125 A1 0381341 A2 2234525 A		25-06-1991 27-07-1990 08-08-1990 17-09-1990
DE 19628321	C	15-01-1998	DE	19628321 C1		15-01-1998
US 5400165	A	21-03-1995	AU AU CA EP JP	682527 B2 7280294 A 2122381 A1 0643497 A1 7154327 A		09-10-1997 23-03-1995 11-03-1995 15-03-1995 16-06-1995